



#12/B
NB
07/15/99

PATENT

ATTORNEY DOCKET NO. 01997/227001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Todd H. Rider
Serial No.: 08/987,410
Filed : December 9, 1997
Title : OPTOELECTRONIC SENSOR

Art Unit: 1641
Examiner: C. Chin

Assistant Commissioner for Patents
Washington, DC 20231

RECEIVED

JUL 13 1999

TECH CENTER 1600/2900

RESPONSE TO OFFICE ACTION DATED FEBRUARY 4, 1999

In response to the Examiner's Action mailed February 4, 1999 ("Office Action"), please amend the application, as follows:

In the Specification:

At page 4, line 3, replace "3" with --3'--.

In the claims:

Please cancel claims 9-20 without prejudice.

1. (Amended) A device for detecting the presence of an antigen, comprising:

a B cell having antibodies which are expressed on the surface of the B cell and are specific for the antigen to be detected, wherein binding of the antigen to the antibodies results in an increase in calcium concentration in the cytosol of the B cell, the B cell further having an emitter molecule which, in response to the increased calcium concentration, emits a photon;

Date of Deposit

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Diane M. Saturno
Diane M. Saturno